

REFERENCES SCALE 1"=100'

WELL COORDINATES
WV STATE PLANE
SOUTH ZONE NAD 1927
N. 102960.93
E. 1783219.29

TEE Engineering Company, Inc.

320 Cotton Hill Court
Lexington, KY 40509
(859) 263-5350
Fax (859) 263-5345



P.O. Box 2119
Steardale, KY 41159
(606) 478-9024
Fax (606) 478-9019

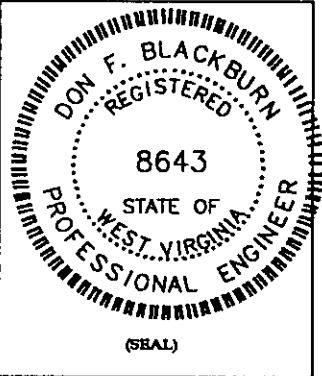
**GeoMet Operating Company, Inc.
Well No. Pond Creek 113-102-102**

FILE NO. 1883-08/2003 WELLS
DRAWING NO. WELL POND CREEK 102 PLAT
SCALE: 1" = 2,000'
MIN. DEGREE OF ACCURACY 1 : 2,500
PROVEN SOURCE OF ELEVATION
GPS STATION TEC-1 (ELEV. 2406.60)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

Don F. Blackburn
(SIGNATURE)

R.P.E. 8643 R.P.S.



STATE OF WEST VIRGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

DATE MARCH 20, 2003

OPERATOR'S WELL NO. POND CREEK 113-102-102

API WELL NO. 47 - 047 - 01786-C
STATE COUNTY PERMIT

WELL TYPE: OIL GAS X CBM LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1,756.33' NORTHING 102960.93 EASTING 1783219.29
DISTRICT BIG CREEK WATER SHED STRAIGHT FORK OF LITTLE SLATE CREEK
QUADRANGLE WAR COUNTY MCDOWELL
SURFACE OWNER PLUM CREEK TIMBERLANDS L.P. ACREAGE 9,907.37
CBM ROYALTY OWNER PLUM CREEK TIMBERLANDS L.P. LEASE ACREAGE 9,907.37
LEASE NO. RECORDING IN PROGRESS
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
STIMULATE PLUG OFF OLD FORMATION PEFORATE NEW
FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION NEW RIVER AND POCAHONTAS COALS ESTIMATED DEPTH 2,181'
WELL OPERATOR GEOMET OPERATING COMPANY, INC. DESIGNATED AGENT KERRY HILL
ADDRESS 5336 STADIUM TRACE PARKWAY SUITE 3206 BIRMINGHAM, ALABAMA 35244 ADDRESS 330 HARPER PARK DRIVE SUITE A BECKLEY, WV 25801

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(Bandsman 270)

March 16 2003

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

47-01786

MJ

Well Operator's Report of Well Work

FARM NAME: Plum Creek Timberlands OPERATOR WELL NO.: 113-102-102

LOCATION:

Elevation: 1,756.33' Quadrangle: War

District: Big Creek County: McDowell
Latitude: 10.672' Feet South of 37 Deg. 17 Min. 30 Sec.
Longitude: 4.119' Feet West of 81 Deg. 42 Min. 30 Sec.

RECEIVED
Office of Oil & Gas
Office of Chief
OCT - 8 2003
WV Department of
Environmental Protection

Company: <u>GeoMet Operating Company</u>	Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
Address: <u>5336 Stadium Trace Parkway, Suite 206 Birmingham, Alabama 35244</u>	<u>13-3/8"</u>	<u>36'</u>	<u>36'</u>	
Agent: <u>Gregg Cleary</u>				
Inspector: <u>Ronnie Scott</u>	<u>8-5/8"</u>	<u>330'</u>	<u>330'</u>	<u>75/Pumped 120</u>
Date Permit Issued: <u>May 13, 2003</u>				
Date Well Work Commenced: <u>July 29, 2003</u>	<u>5-1/2"</u>	<u>1453'</u>	<u>1453'</u>	<u>252/Pumped 273</u>
Date Well Work Completed: <u>August 7, 2003</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>XXXX</u> Cable <u> </u> Rig <u> </u>				
Total Depth (feet): <u>1481'</u>				
Fresh Water Depth (feet): <u>Unknown</u>				
Salt Water Depth (feet): <u>Unknown</u>				
Is coal being mined in area (N/Y)? <u>No</u>				

Coal Depths (feet): 465, 567, 568, 569, 582, 597, 617, 640, 670, 712, 853, 885, 935, 1035, 1036, 1037, 1119, 1120, 1121, 1122, 1232, 1238, 1473.

OPEN FLOW DATA

Producing formation All Zones Commingled Pay zone depth (ft) _____
Gas: Initial Open Flow N/A MCF/d Oil: Initial Open Flow _____ Bbl/d
Final Open Flow N/A MCF/d Final Open Flow _____ Bbl/d
Time of Open Flow between initial and final tests N/A Hours
Static Rock Pressure 13 psig (surface pressure) after 96 Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

SIGNED: _____
BY: Dundrea Smith
DATE: _____

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**GeoMet Operating Company, Inc.
Perforation and Frac Volume Specification**

Well Name Pond Creek 102 PBTB 1450

Zone and Perforation Table

Frac Stage 1 Interval			Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
	N2 Scf	1230'	1233			15,000
Acid	179,000		36 Frac Balls On Plug @ 1200'			
Gel Volume	200	15%				
ISIP	5,600					
ATP	2,413					
AIR	3,488					
	19	BPM				
Stage 2 Interval	1,118	1121			25,000	27,000
N2 Scf	229,000		1143' -1146' B/O 1090'			
Acid	450					
Gel Volume	9,200					
ISIP	1,354					
ATP	2,050					
AIR	31	BPM				
Stage 3 Interval	1,035	1038			25,000	12,000
N2 Scf	162,000		Screened Out No Plug			
Acid	200					
Gel Volume	5,500					
ISIP	3,467					
ATP	3,140					
AIR	20	BPM				
Stage 4 Interval	874	877			20,000	
N2 Scf			Would Not Break No Plug			
Acid						
Gel Volume						
ISIP						
ATP						Together
AIR		BPM				
Stage 5 Interval	833	836			40,000	52,000
N2 Scf	362,000		852' -855' 326 Frac Balls On Plug 750' 1170'			
Acid	300	15%				
Gel Volume	13,300					
ISIP	1,155					
ATP	2,275					
AIR	35	BPM				

Well Name Pond Creek 102

PBTD 1450

Zone and Perforation Table

	638	641	Ball Out	Bridge Plug Set @	Est Sand Weight	Actual Sand Weight
Stage 6 Interval	638	641				
N2 Scf	193,000		668' -671'		25,000	27,000
Acid	450	15%	Balled Out 36 Balls On Plug @ 625'			
Gel Volume	8,500					
ISIP	1,021					
ATP	1,890					
AIR	30	BPM				
Stage 7 Interval	568	570				
N2 Scf	343,000		581' -583' / 596' -598'			
Acid	450		Balled Out No Plug			
Gel Volume	11,600					
ISIP	955					
ATP	2,285					
AIR	34	BPM				
Stage 8 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR		BPM				
Stage 9 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR		BPM				
Stage 10 Interval						
N2 Scf						
Acid						
Gel Volume						
ISIP						
ATP						
AIR						

MS Dow 17810

DRILL DATA HOLE – NOAH HORN WELL DRILLING, INC.

COMPANY: GEO-MET

HOLE NO. POND CREEK 102

LOCATION: BUG HURLEY HOLLOW

DRILL: RIG 94

DATE STARTED: 07-28-03

ELECTRIC LOGGED: YES

DATE COMPLETED: 07-30-03

GROUTED: YES

DEPTH		THICKNESS	STRATA	REMARKS
FROM	TO	FT.	DESCRIPTION	VOIDS, ETC
0	29	29	OVERBURDEN	
29	36	07	SANDY SHALE/SANDSTONE	36' OF 13-3/8"
36	61	25	SANDSTONE	
61	92	31	SANDSTONE/COAL STRKS/SANDSTONE	
92	123	31	SANDSTONE/SANDY SHALE	
123	154	31	SANDY SHALE/COAL-3/SANDSTONE	
154	185	31	SANDSTONE/COAL STRKS/SANDSTONE	
185	215	30	SANDSTONE	
215	245	30	SANDY SHALE/COAL STRKS/SANDY SH.	
245	275	30	SANDSTONE	
275	305	30	SANDY SHALE/SANDSTONE	
305	335	30	SANDSTONE/SANDY SHALE	330' OF 8-5/8
335	360	25	SANDY SHALE	
360	390	30	SANDSTONE/SANDY SHALE STRKS.	
390	420	30	SANDY SHALE	
420	450	30	SANDSTONE/SANDY SHALE	
450	480	30	SANDSTONE STRKS/COAL STRKS/S. SH.	
480	510	30	SANDSTONE STRKS/SANDY SHALE	
510	540	30	SANDY SHALE	
540	570	30	SANDSTONE/SANDY SHALE/COAL – 555' – 559'/SANDY SHALE	
570	600	30	SANDSTONE/SANDY SHALE	
600	630	30	COAL STRKS/SANDY SHALE/COAL/ SANDY SHALE	
630	660	30	SANDSTONE STRKS/SANDY SHALE	
660	690	30	SANDY SHALE/SANDSTONE	
690	720	30	SANDSTONE/SANDY SHALE/COAL STRKS – 705'	
720	750	30	SANDSTONE/SANDY SHALE	
750	780	30	SANDY SHALE/SANDSTONE/SANDY SH.	
780	810	30	SANDY SHALE STRKS/SAND	
810	840	30	SANDY SHALE/COAL – 825' - 828'/S.SHALE	
840	870	30	SHALE STRKS/COAL – 850' – 852'/S.SHALE	

GEO-MET OPERATIONS
HOLE #POND CREEK #102
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870	900	30	SANDY SHALE/COAL - 880'-882'/S. SHALE
900	930	30	SAND/SANDY SHALE/COAL STRKS/ SANDY SHALE/COAL STRKS.
930	960	30	SANDY SHALE/SAND
960	990	30	SANDY SHALE/SAND STRKS.
990	1020	30	SANDSTONE
1020	1050	30	SANDSTONE/SANDY SHALE
1050	1080	30	SANDY SHALE/SANDSTONE
1080	1110	30	SANDSTONE/SANDY SHALE
1110	1140	30	COAL - 3/SANDY SHALE/COAL STRKS.
1140	1170	30	SANDSTONE/SANDY SHALE
1170	1200	30	SANDSTONE/SANDY SHALE/SANDSTONE
1200	1230	30	SANDSTONE/COAL STRKS.
1230	1260	30	SANDY SHALE/SANDSTONE
1260	1320	60	SANDSTONE
1320	1350	30	SANDSTONE/SANDY SHALE STRKS/ SANDSTONE
1350	1380	30	SANDSTONE/SANDY SHALE
1380	1410	30	SANDSTONE/R. S. - 10'/SANDY SHALE
1410	1440	30	R. S. - 15'/SANDY SHALE
1440	1450	10	SANDY SHALE/R. S. -5'

TOTAL DEPTH: 1450'
36' OF 13-3/8" CASING
330' OF 8-5/8" CASING

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